

THE PORTABLE PHOTOELECTRIC AIR CLEANER

ABSTRACT

A portable photoelectric air cleaner, which includes a semi-circular body in which there are an extractor fan 、 a transformer 、 a circuit board 、 an electrode end ultraviolet radiation tube and a cathode high voltage discharge fibre line, which is characterized in that an air inlet and an outlet are formed on said body. The cathode fibre line for discharging in high voltage is fixed at the air outlet. The electrode end ultraviolet radiation tube is fixed at the outlet which is placed in the body, and is formed in an air collector. The extractor fan is fixed between the electrode end ultraviolet radiation tube and the air outlet which are formed nearly inside the body. The portable photoelectric air cleaner is furthermore characterized in that said air collector is comprised of a space which is defined by an air collecting wall and blocking wall. The electrode end ultraviolet radiation tube is fixed between the front and rear block walls so that the rays can't emit out of the cleaner.